

the AA homodimer and AB heterodimer forms of platelet derived growth factor and also binds the BB homodimer at high affinity.

2. (Amended) A DNA segment according to Figure 3[, and allelic variations thereof].

3. (Amended) [A] Isolated DNA [segment consisting essentially of the sequence] that encodes a human type α platelet derived growth factor receptor protein wherein said protein has the amino acid sequence defined in Figure 3 [and allelic variations thereof].

4. (Amended) A recombinant DNA vector [molecule] comprising [a] the DNA [segment] according to claim 1 [and a vector].

5. (Twice amended) An in vitro culture of cells transformed with [a] the DNA [segment] according to claim 1.

16. (Amended) DNA [segment] according to claim 3 encoding at least 5 consecutive amino acids as shown in Figure 3.

18. (Amended) A recombinant DNA [molecule] vector comprising [a] the DNA [segment] according to claim 3 [and a vector].

19. (Twice amended) An in vitro culture of cells transformed with [a] the DNA [segment] according to claim 3.